

encing was not characteristic of the doings of that day. Not until 1878 did the above district commence to "show up," and its first attraction seems to be laid in the prominence attached to the discovery of the noted Hillside mine. In its past relations with this community, and for that matter, its present also, Eureka district seems to be held in somewhat of a contempt, for, singularly speaking, it has never been aided by even the expenditure of a dollar of public funds in its internal improvement. The men who have gone there have blazed the way by their own muscle, and are yet doing so in order to get out. In spite of this, the district is still creeping forward, and the future indicates that its isolation and its long slumber is of but short duration. It lays in Western Yavapai, and north of the Santa Maria river. In its mineralogical make up, it possesses some remarkable features, the most conspicuous being that of its carbonate ores, which carry 30 per cent. lead, more or, in short, of this character laying in the district, than can be found in the entire county. Concerning this section and its existence in pioneer days, when men in their haste and in their ambition paid no attention to anything ran onto than that known as a big thing, every foot of ground in it has been left behind by numberless prospectors, with the single exception of John Lawler. This gentleman, as it were, "camped on its trail," and with his permanent occupation commenced new life for the district. The success of the latter seems to stir others in the same direction, and though no fortunes may come to the waiting ones, the mines in existence there have a very promising future, and for those, also, who own them. Burro Creek and tributary streams, seems to be very active, and along them much development work progresses. Among those who make a good showing on various claims, we hear of:

Messrs. McClure, Wilson, Burns, Waters and Maroney. The above people and others scattered throughout the hills, are said to own good property, and as depth is reached, universally improve. The entire district is said in need of transportation facilities, which nowadays serve more as a black eye to it, than a "wildcat" transaction would affect others. The distance from Hillside Station, on the S. F. & P., to it is but nineteen miles, that route being a very desirable and cheap one, which, upon being tapped, will serve to give this district a future, like such thoroughfares have given others around this section. During the past winter scores of prospectors have gone into this section, and a large number of claims were made, reports, in short, being generally of a flattering nature concerning it.

The vast copper mines of John Lawler located here have considerable work done on them, enough prospecting in silver is given the group to justify the prediction that at some future date they will yield handsomely.

GROOM CREEK.

The above in name has an old time ring to it, and aside from such, it falls into the line nowadays of something that has modern doings attached to it, also. While it is true that for years it has been "gophered" into, not until recently, however, can it be said that active and new order of life has seized it, like unto that being generally experienced around this section. This district has two vital questions to face the investor in the shape of an ever abundant water and timber supply. Some of its good looking properties, situated but five miles from this city, are:

The Nevada group, under the ownership of Messrs. Kelly, Stephens & Hutchins, are without doubt the best looking properties, opened up also with over 3,000 feet of work, in this tunnel, steep, levels, etc. These claims are also patented, and lay under Spruce Mountain, and their ore is free milling, and the Nevada location, particularly, is universally pronounced a magnificent piece of ground by all miners who view it. It is said these properties are under view.

Wickler & Morse, on their "Silver Fluke," are down over 100 feet. While in name it has a silver ring to it, the ore is gold, however, being in character, sulphate, and the Nevada location, has netted \$125 per ton. A steam hoist is now at work on the above, and as depth is reached, the mine improves.

Joe Wallace, who owns the "Midnight Bell," has just leased several portions of the claim to six different parties, and work is now going on. The ore is free milling, and is said to be a very favorable considered piece of ground.

The claim of Gardner & Swan is somewhat peculiarly located, and shows a very good grade of ore.

The Monte Christo claim is owned by Hutchins & Nolan, and just leased to Culbertson & Smith, and are now working on it. This tunnel is 90 feet shaft, besides other work, to make it a good looking piece of ground. Samples taken show 130 ounces in silver and \$30 in gold.

Among the mines under steady operation for the past two years is the Eureka, owned by Hugh Hughes. It is now worked under lease to H. L. Kiser & Short. Its lowest grade of ore carries \$40 per ton, while the sulphate went as high as \$125 per ton.

The old Clark & Adams quartz mill is now being steadily run by Mr. Harlan on ore from the various claims, and is kept steadily at work. The band of Groom Creek, near the Lynx Creek ranges, is assuming somewhat of a boomish life, and is, evidently, from its neighbor. New discoveries are being made in copper, iron, and much interest is manifested in this old, yet new, locality.

THUMB BUTTE.

Like the meat in a coconut, the above district lies just at the door of Prescott, and though no deep shafts are to be seen throughout it, there is, nevertheless, some stir noticeable in prospecting old and in sinking on new ledges. In a past day some excitement prevailed over the discovery of rich float rock, but the search for the ledges that are supposed to have treasured such, was abandoned. In the ravines and gulches there considerable placer mining is to be seen at any time during the year, and among new arrivals the section seems to be a favorable one to look into. It is but four miles from the city.

Some little interest is shown the district today by the character of the work noticeable on a group of ten claims. Sam Hubbard, Jr., a recent arrival from the Coast, being the owner of the claims he has located, are now being worked on and simply only 30 feet in depth, the indications are so good that he has determined to develop them systematically and not on a speculative basis. The given silver ore to run \$50 free. Hubbard expressed considerable surprise that he existence of these mines was permitted to

remain in ignorance of people, considering their nearness to town. He has a force of five men at work, and will increase the number as development progresses, the old Quartz mine being the property worked on principally. It is said to be looking well.

CHAPARRAL.

The nearest approach the present has to chronicle in its relations with the by gone days in genuine activity and a prosperous outlook, is contained in reference to the above. To comprehend its magnificent future in one breath, and then, in the next, to turn back to but four short years ago, and see absolutely nothing in the form of that to greet the eye today, seems like drawing a wild and fanciful picture of the scene. A country completely regenerated, the old turned over to the new, and back of it all, a future that glitters in its prosperity, the wild elation men are capable of heralding in the strides of mines and mining. Of Chaparral what must be said. To her and her riches, so suddenly and richly uncovered, Yavapai owes a debt that the generosity of the present will never truthfully grasp, nor for that matter, can men, in their haste and in their ambition, be expected to recall in rightful devotion. To bring back to view the gloomy picture of a few years ago hovering over every camp around us, seems unjust and indecorous, but with the breaking of the silence in the strikes of Chaparral, every man, in every district, was up in arms, as it were. From the riches of the Little Jessie, there has followed not only prosperity to everyone around her, but to the distant, as well as the echoes from this mineral wonder taken up and across every range. Of this district today, language is simply inadequate to extol its charms or enlighten its wonders. It came about with only that determination muscle and energy know and to such elements it is known today. The men who are at its side now, were here when the first shot was fired, and throughout its domain they are still clinging to its treasure. In brief, it has been a poor man's district from the grass roots down, for the men first to venture to it, and ardently grasp her opportunities, were also poor. It is yet the



Partial View of Rich Hill, Weaver District, From the Summit of Which \$500,000 in Gold Nuggets was Picked up

same in this respect, and only waiting for those to come who have the ability to release it, assisted by the influence of its mineral. Whatever may be said of this favored section, what personal pride others may have in their devotion for the Hassayampa, the Bradshaws, the Santa Santa Maria or Cherry Creek, from the broad and liberal standpoint of equality and justice, Chaparral faces defiantly all for first honors. To back her up, the task of enumerating her mines, or to be plain, those properties which are termed but prospects, is like enumerating the sands of time. Enough ground is broken, however, to give encouragement to the resident, as well as the local, the advantages which it undoubtedly possesses. From the dump of the Little Jessie there greets the eye a net work of mineral which is simply unreasonable to contemplate, proving beyond contradiction it claim and its advantages. The old Ticonderoga lays at your feet in the west, the Dividend crawls closer to you, the Independence, the Union, the James G. Blaine, the Morning Star, the Little Jack, the Ella, the Little Grace, the Galena, the Vanderbilt and a score of others, seemingly beckon to you to them. The outlook to face one is an emphatic and encouraging argument for the camp, and convinces beyond doubt. Money talks, it is said, but in the life of the above, muscle supplants the power of that commodity. No district, then, can face this one, for it is the poor man for once who has made its mines yield, and not an instance is recorded where assistance in any channel has come to favor him other than that of pure grit. To mention all of the mines here, is simply out of the question, but the following will give somewhat of an idea of the progress made recently:

The Dividend, owned by Mrs. Mueller and John Rich, is the first patented mine in Yavapai county. It was abandoned previous to the '70's and remained idle until a year or so ago. It is an excellent property, having shafts to a depth of 178 feet in one place, 147 in another, and on and on, from 30 to 50 feet at other points. Tunnels, drifts, stopes and several hundred tons of ore are on the dumps to give evidence of the property's value and its appearance. The vein is from 18 inches to four feet in width, carrying concentrated ore and free also. Joseph Johnstone has been operating the property for some months, and through his energetic and careful management, gives to the district a solid and valuable piece of mining

ground that is admired by every one. The greater the depth reached on the old Dividend, in short, the better does it look.

The McCabe is a silent and steady producer having a 10-stamp mill in operation day and night. It is a good sized ledge, reports say, producing a fine ore that runs as high as \$4,000 per ton. The ore from this mine is free and concentrating. The mine contains a community of one hundred and fifty tons, in addition to about fifty employees. Messrs. McCrum, Parson & Wells are its owners.

John Kinney is the possessor of many good looking claims, the Leland, Donahue and Molly being the principal ones. The first one will run 100 feet long, having an 80-foot shaft, and a 135 foot tunnel in on a 4-foot vein of ore. The town of Chaparral lies on the Donahue lead. Mr. Kinney is a progressive and experienced miner, and should reap the riches of the district in a generous way.

Jim Burke's claim is somewhat well developed and on the dump he has a big batch of ore to show. He will neither bond nor lease his claims, but is contented to sell out directly or hold out for the good thing he has in sight.

The Cleveland, owned by Mayor and Woods, but under lease to W. L. Roberts, is unquestionably one of the best looking new mines in the district, and is the center of mining talk nowadays. Mr. Roberts has shaft 90 feet deep in 30 inches of ore, which plates from \$15 to \$25 per ton, besides running high in concentrates. Though an old mine, the present workings are on a blind portion of the ledge. The deeper he gets the better the grade of ore.

The first south extension of the above is the claim of W. W. Vanderhill. Some little work is noticeable on this property, and from the appearance of the Cleveland, its neighbor is attractive in the same situation in consequence.

The Ellen, owned by Sugden, Askew and Dalin, is a property well spoken of. It has a shaft down 100 feet besides some tunnel work. Its ore lays between side walls in a kidney state, and will plate \$45 per ton. A mill run of ten tons is now being made on it.

The Henrietta is believed to be a good piece of ground, and when released from the fine legal meshes it is wrapped around with, will produce better than any other in the district. The last development work certainly argues very favorably for the property.

The Gopher, a patented claim owned by General Kaitz, but under lease to Harry Hannah, is being developed, and shows up finely. Its ore is free milling and runs, by recent tests, \$35 per ton. A steam hoist is now being placed on the above to drain the shaft of water and handle the ore more readily.

J. D. Swartz, on an extension of the Cleveland, has his shaft down 40 feet in continuous ore. Some of the richest quartz taken out of this district is accredited to this mine.

Near the McCabe, Henry Lane has just bonded a mine to Mr. Zehring's claim that is attracting much attention. The latter is preparing to start work on it.

The Bunker Hill, owned by Coleman, Carrigan & McQuinn, under bond and lease to F. X. O'Brien, has had some work performed on it lately. This mine is reported to be showing up nicely and is considered good ground.

The Columbia, owned by Hill, Wright and Butler, lays close to the Little Jessie, and has a shaft down 65 feet in ore that runs from four to two feet wide. Levels are also run on the vein. Ten tons of ore were recently milled from it, with unknown results. This property is said to have been examined by some mining men recently with a view to purchasing.

The Marion is a mine lying between the Little Jessie and Dividend No. 2, owned by H. K. Behn, on which some work has been done lately by the owners. The ore is free and concentrating, run-

ning from \$25 to as high as \$300 per ton.

Hubbard & Roberts have been doing some good work on their claim on the Silver Bell mountain. The showing made speaks well for their property.

Fred. Little has just completed sinking 25 feet on a claim which meets with some favorable comment among miners.

Most of the above claims either ship their ore away, or else reduce the same by ordinary milling processes, near or in the district. Mills are badly needed for custom work, however, and with such the output will be a heavy one.

LYNX CREEK.

The old and the new. In other words, a mining district supposed to be played out, but one just over the hill from Prescott, that in reality is clothed with a new suit, and taking the trouble to show itself off at that. What a history this pioneer of the pioneers has, and who is there who will not in this era tie to her again just as they did way back in the '60's. However true it may be that for a long time it slumbered so silently, the fact is presented in its defense today, that new life and new ideas are at hand. In the past this district has been harassed just the same as others have, only to be resurrected by a knowledge that its resources were merited, and that time and experience are the benefactors in this instance. When it costs \$55 to introduce materials to handle \$35 worth of ore, with everything else attached to mining measured likewise, where is the mine or locality that is generous enough to exist under such a strain. Lynx Creek tried it, and for a decade paid the bill in idleness and desolation along with others on the same principle. Seized with new life and run on bed rock business principles, she faces the future boldly and defiantly with unmistakable firmness. Her mines are going down, and back of them there is energy and intelligence as the motive power. Two 10-stamp mills are echoing night and day its glad tidings, with another one coming. "Grass root" mining is played out, and surface indications go for nothing. It is a question of depth, and in every instance so far, old ground, with new ideas, is talking. There is a stir along the old creek, in short, and every boulder is carefully guarded with a location notice. There is no "boom," however, but a feeling of security among all. Its future is bright and promising because it is

permanent. Some of the properties being worked on are:

The Sheldon as a starter, for instance. This is a Hassayampa piece of ground, purchased a short time ago by Messrs. Sisty & Clark, of Colorado Springs, Colo., after years of idleness. These energetic people have opened her up systematically, and the fact of their being pleased with the showing made, is the best argument for the property. Concentrated and work was done on the above, but still progress was made, over 400 feet of new ground being broken. The ore carries gold, silver and copper, milling free from \$15 to \$35 per ton. They have several claims in the group, the Sheldon and Eureka, however, being the only ones as yet opened.

On the Poland and Hamilton mine, F. M. Murphy & Co. have a force of six miners at work, purely development work being carried on under the superintendence of Henry Murphy. The object of the work is to drive the Poland tunnel to connect with the vein that is being sunk from the Hamilton tunnel, thereby opening both mines. The vein, now down 30 feet, has a pretty body of ore 30 in. wide in sulphurates that assays near \$100 per ton. In the Hamilton tunnel the breast shows a solid 18-inch vein of ore. The Poland tunnel is now in 750 feet, ore being also visible throughout. The intention is to drive the Poland tunnel to connect with the old Bell tunnel, which, when completed, will be 4,000 feet long. This property is certainly a solid one and with the extensive working now given it, together with the magnificent ore body everywhere noticeable, its wealth is simply incalculable.

The Champion is under a \$12,500 bond to H. Davidson and Calvin from Ben Griffin. The above people, since assuming work on the same, have been handsomely rewarded, a strong vein, four to six feet in width, is now visible on the bottom of their shaft, 135 feet deep. The ore is gold, silver and copper, running, by careful tests, on an average, \$110 per ton, copper, 35 per cent. silver, 37 ounces, and one and one-half per cent. quicksilver. This mine is a very promising one, and up to date has shipped 140 tons of ore to Colorado.

Among the promoters of new life on Lynx Creek, W. S. Morse figures as one of the most intelligent and also one of the most energetic. He is at present operating the Pine mountain running the old Howell mill of 10 stamps on its ore, as well as custom work. He is a practical miner and believes the solution of mining on the creek needs depth to determine its value. He is following his ideas admirably in this line, and expresses himself as satisfied with the outlook of his mine.

Knoblock & Banner have taken a lease on the Lantern, an extension of the Champion, for one year, and have four men at work on the same. They have reached a depth of 100 feet. Their lead ore is very prominent, and also a favorable feature of the prospect, running 69½ per cent. In this metal, besides one ounce in gold and 25 ounces in silver. Their vein at present is 25 inches wide.

A. Lane has a 10-stamp mill at work on custom ore, as well as working on the product from two mines under bond to him, viz. The Fortune, owned by M. Milligan, and the Homestead, owned by Judge Griffin. He expresses himself pleased with the appearance of both properties.

The "Kitty," owned by Al. Deke, has been leased to Nolan & Co., who are milling several tons at Lane's mill, and shipping away also. This mine is an old one, and places an ounce to the ton, being rich in concentrates also.

Hull & Egge are tearing down the old Drake smelter and putting in a new plant to treat custom ore. They will smelt and crush, and have a good outlook.

The Salome and Midland claims are owned by

the same people, and are being worked on.

The Sheldon as a starter, for instance. This is a Hassayampa piece of ground, purchased a short time ago by Messrs. Sisty & Clark, of Colorado Springs, Colo., after years of idleness. These energetic people have opened her up systematically, and the fact of their being pleased with the showing made, is the best argument for the property. Concentrated and work was done on the above, but still progress was made, over 400 feet of new ground being broken. The ore carries gold, silver and copper, milling free from \$15 to \$35 per ton. They have several claims in the group, the Sheldon and Eureka, however, being the only ones as yet opened.

On the Poland and Hamilton mine, F. M. Murphy & Co. have a force of six miners at work, purely development work being carried on under the superintendence of Henry Murphy. The object of the work is to drive the Poland tunnel to connect with the vein that is being sunk from the Hamilton tunnel, thereby opening both mines. The vein, now down 30 feet, has a pretty body of ore 30 in. wide in sulphurates that assays near \$100 per ton. In the Hamilton tunnel the breast shows a solid 18-inch vein of ore. The Poland tunnel is now in 750 feet, ore being also visible throughout. The intention is to drive the Poland tunnel to connect with the old Bell tunnel, which, when completed, will be 4,000 feet long. This property is certainly a solid one and with the extensive working now given it, together with the magnificent ore body everywhere noticeable, its wealth is simply incalculable.

The Champion is under a \$12,500 bond to H. Davidson and Calvin from Ben Griffin. The above people, since assuming work on the same, have been handsomely rewarded, a strong vein, four to six feet in width, is now visible on the bottom of their shaft, 135 feet deep. The ore is gold, silver and copper, running, by careful tests, on an average, \$110 per ton, copper, 35 per cent. silver, 37 ounces, and one and one-half per cent. quicksilver. This mine is a very promising one, and up to date has shipped 140 tons of ore to Colorado.

Among the promoters of new life on Lynx Creek, W. S. Morse figures as one of the most intelligent and also one of the most energetic. He is at present operating the Pine mountain running the old Howell mill of 10 stamps on its ore, as well as custom work. He is a practical miner and believes the solution of mining on the creek needs depth to determine its value. He is following his ideas admirably in this line, and expresses himself as satisfied with the outlook of his mine.

Knoblock & Banner have taken a lease on the Lantern, an extension of the Champion, for one year, and have four men at work on the same. They have reached a depth of 100 feet. Their lead ore is very prominent, and also a favorable feature of the prospect, running 69½ per cent. In this metal, besides one ounce in gold and 25 ounces in silver. Their vein at present is 25 inches wide.

A. Lane has a 10-stamp mill at work on custom ore, as well as working on the product from two mines under bond to him, viz. The Fortune, owned by M. Milligan, and the Homestead, owned by Judge Griffin. He expresses himself pleased with the appearance of both properties.

The "Kitty," owned by Al. Deke, has been leased to Nolan & Co., who are milling several tons at Lane's mill, and shipping away also. This mine is an old one, and places an ounce to the ton, being rich in concentrates also.

Hull & Egge are tearing down the old Drake smelter and putting in a new plant to treat custom ore. They will smelt and crush, and have a good outlook.

The Salome and Midland claims are owned by

the same people, and are being worked on.

The Sheldon as a starter, for instance. This is a Hassayampa piece of ground, purchased a short time ago by Messrs. Sisty & Clark, of Colorado Springs, Colo., after years of idleness. These energetic people have opened her up systematically, and the fact of their being pleased with the showing made, is the best argument for the property. Concentrated and work was done on the above, but still progress was made, over 400 feet of new ground being broken. The ore carries gold, silver and copper, milling free from \$15 to \$35 per ton. They have several claims in the group, the Sheldon and Eureka, however, being the only ones as yet opened.

On the Poland and Hamilton mine, F. M. Murphy & Co. have a force of six miners at work, purely development work being carried on under the superintendence of Henry Murphy. The object of the work is to drive the Poland tunnel to connect with the vein that is being sunk from the Hamilton tunnel, thereby opening both mines. The vein, now down 30 feet, has a pretty body of ore 30 in. wide in sulphurates that assays near \$100 per ton. In the Hamilton tunnel the breast shows a solid 18-inch vein of ore. The Poland tunnel is now in 750 feet, ore being also visible throughout. The intention is to drive the Poland tunnel to connect with the old Bell tunnel, which, when completed, will be 4,000 feet long. This property is certainly a solid one and with the extensive working now given it, together with the magnificent ore body everywhere noticeable, its wealth is simply incalculable.

The Champion is under a \$12,500 bond to H. Davidson and Calvin from Ben Griffin. The above people, since assuming work on the same, have been handsomely rewarded, a strong vein, four to six feet in width, is now visible on the bottom of their shaft, 135 feet deep. The ore is gold, silver and copper, running, by careful tests, on an average, \$110 per ton, copper, 35 per cent. silver, 37 ounces, and one and one-half per cent. quicksilver. This mine is a very promising one, and up to date has shipped 140 tons of ore to Colorado.

Among the promoters of new life on Lynx Creek, W. S. Morse figures as one of the most intelligent and also one of the most energetic. He is at present operating the Pine mountain running the old Howell mill of 10 stamps on its ore, as well as custom work. He is a practical miner and believes the solution of mining on the creek needs depth to determine its value. He is following his ideas admirably in this line, and expresses himself as satisfied with the outlook of his mine.

Knoblock & Banner have taken a lease on the Lantern, an extension of the Champion, for one year, and have four men at work on the same. They have reached a depth of 100 feet. Their lead ore is very prominent, and also a favorable feature of the prospect, running 69½ per cent. In this metal, besides one ounce in gold and 25 ounces in silver. Their vein at present is 25 inches wide.

A. Lane has a 10-stamp mill at work on custom ore, as well as working on the product from two mines under bond to him, viz. The Fortune, owned by M. Milligan, and the Homestead, owned by Judge Griffin. He expresses himself pleased with the appearance of both properties.

The "Kitty," owned by Al. Deke, has been leased to Nolan & Co., who are milling several tons at Lane's mill, and shipping away also. This mine is an old one, and places an ounce to the ton, being rich in concentrates also.

Hull & Egge are tearing down the old Drake smelter and putting in a new plant to treat custom ore. They will smelt and crush, and have a good outlook.

The Salome and Midland claims are owned by

the same people, and are being worked on.

The Sheldon as a starter, for instance. This is a Hassayampa piece of ground, purchased a short time ago by Messrs. Sisty & Clark, of Colorado Springs, Colo., after years of idleness. These energetic people have opened her up systematically, and the fact of their being pleased with the showing made, is the best argument for the property. Concentrated and work was done on the above, but still progress was made, over 400 feet of new ground being broken. The ore carries gold, silver and copper, milling free from \$15 to \$35 per ton. They have several claims in the group, the Sheldon and Eureka, however, being the only ones as yet opened.

On the Poland and Hamilton mine, F. M. Murphy & Co. have a force of six miners at work, purely development work being carried on under the superintendence of Henry Murphy. The object of the work is to drive the Poland tunnel to connect with the vein that is being sunk from the Hamilton tunnel, thereby opening both mines. The vein, now down 30 feet, has a pretty body of ore 30 in. wide in sulphurates that assays near \$100 per ton. In the Hamilton tunnel the breast shows a solid 18-inch vein of ore. The Poland tunnel is now in 750 feet, ore being also visible throughout. The intention is to drive the Poland tunnel to connect with the old Bell tunnel, which, when completed, will be 4,000 feet long. This property is certainly a solid one and with the extensive working now given it, together with the magnificent ore body everywhere noticeable, its wealth is simply incalculable.

The Champion is under a \$12,500 bond to H. Davidson and Calvin from Ben Griffin. The above people, since assuming work on the same, have been handsomely rewarded, a strong vein, four to six feet in width, is now visible on the bottom of their shaft, 135 feet deep. The ore is gold, silver and copper, running, by careful tests, on an average, \$110 per ton, copper, 35 per cent. silver, 37 ounces, and one and one-half per cent. quicksilver. This mine is a very promising one, and up to date has shipped 140 tons of ore to Colorado.

Among the promoters of new life on Lynx Creek, W. S. Morse figures as one of the most intelligent and also one of the most energetic. He is at present operating the Pine mountain running the old Howell mill of 10 stamps on its ore, as well as custom work. He is a practical miner and believes the solution of mining on the creek needs depth to determine its value. He is following his ideas admirably in this line, and expresses himself as satisfied with the outlook of his mine.

Knoblock & Banner have taken a lease on the Lantern, an extension of the Champion, for one year, and have four men at work on the same. They have reached a depth of 100 feet. Their lead ore is very prominent, and also a favorable feature of the prospect, running 69½ per cent. In this metal, besides one ounce in gold and 25 ounces in silver. Their vein at present is 25 inches wide.

A. Lane has a 10-stamp mill at work on custom ore, as well as working on the product from two mines under bond to him, viz. The Fortune, owned by M. Milligan, and the Homestead, owned by Judge Griffin. He expresses himself pleased with the appearance of both properties.

The "Kitty," owned by Al. Deke, has been leased to Nolan & Co., who are milling several tons at Lane's mill, and shipping away also. This mine is an old one, and places an ounce to the ton, being rich in concentrates also.

Hull & Egge are tearing down the old Drake smelter and putting in a new plant to treat custom ore. They will smelt and crush, and have a good outlook.

The Salome and Midland claims are owned by

the same people, and are being worked on.

The Sheldon as a starter, for instance. This is a Hassayampa piece of ground, purchased a short time ago by Messrs. Sisty & Clark, of Colorado Springs, Colo., after years of idleness. These energetic people have opened her up systematically, and the fact of their being pleased with the showing made, is the best argument for the property. Concentrated and work was done on the above, but still progress was made, over 400 feet of new ground being broken. The ore carries gold, silver and copper, milling free from \$15 to \$35 per ton. They have several claims in the group, the Sheldon and Eureka, however, being the only ones as yet opened.

On the Poland and Hamilton mine, F. M. Murphy & Co. have a force of six miners at work, purely development work being carried on under the superintendence of Henry Murphy. The object of the work is to drive the Poland tunnel to connect with the vein that is being sunk from the Hamilton tunnel, thereby opening both mines. The vein, now down 30 feet, has a pretty body of ore 30 in. wide in sulphurates that assays near \$100 per ton. In the Hamilton tunnel the breast shows a solid 18-inch vein of ore. The Poland tunnel is now in 750 feet, ore being also visible throughout. The intention is to drive the Poland tunnel to connect with the old Bell tunnel, which, when completed, will be 4,000 feet long. This property is certainly a solid one and with the extensive working now given it, together with the magnificent ore body everywhere noticeable, its wealth is simply incalculable.

The Champion is under a \$12,500 bond to H. Davidson and Calvin from Ben Griffin. The above people, since assuming work on the same, have been handsomely rewarded, a strong vein, four to six feet in width, is now visible on the bottom of their shaft, 135 feet deep. The ore is gold, silver and copper, running, by careful tests, on an average, \$110 per ton, copper, 35 per cent. silver, 37 ounces, and one and one-half per cent. quicksilver. This mine is a very promising one, and up to date has shipped 140 tons of ore to Colorado.

Among the promoters of new life on Lynx Creek, W. S. Morse figures as one of the most intelligent and also one of the most energetic. He is at present operating the Pine mountain running the old Howell mill of 10 stamps on its ore, as well as custom work. He is a practical miner and believes the solution of mining on the creek needs depth to determine its value. He is following his ideas admirably in this line, and expresses himself as satisfied with the outlook of his mine.

Knoblock & Banner have taken a lease on the Lantern, an extension of the Champion, for one year, and have four men at work on the same. They have reached a depth of 100 feet. Their lead ore is very prominent, and also a favorable feature of the prospect, running 69½ per cent. In this metal, besides one ounce in gold and 25 ounces in silver. Their vein at present is 25 inches wide.

A. Lane has a 10-stamp mill at work on custom ore, as well as working on the product from two mines under bond to him, viz. The Fortune, owned by M. Milligan, and the Homestead, owned by Judge Griffin. He expresses himself pleased with the appearance of both properties.

The "Kitty," owned by Al. Deke, has been leased to Nolan & Co., who are milling several tons at Lane's mill, and shipping away also. This mine is an old one, and places an ounce to the ton, being rich in concentrates also.

Hull & Egge are tearing down the old Drake smelter and putting in a new plant to treat custom ore. They will smelt and crush, and have a good outlook.

fidelity to the mother lode. To-day there is life there, and judging it by the character of the work to be seen, its greatness is at hand. Scattered around her numberless hills, many mines are being worked, and in every instance good results are to be chronicled:

Among the more prominent mines in operation which recalls the palmy days of silver, the notable life given the Peck, after a silence of nearly seventeen years.

The resumption of the above is another instance of past folly in working Yavapai's mines, and proves how easily fortunes are overlooked. The present work on this property, undertaken with a view of clearing the workings of water, has resulted in the discovery that in the early workings of the mine the footwalls were never reached, and beyond the shaft, in the north tunnel, 1,000 and up as high as 3,200 ounces ore is being uncovered. No stopping was ever done between the north and south tunnel north of the shaft, and while the vein there is scattered, indications point to a solid ore body. Where the present rich ore is being taken out, there was nothing to show, except that the footwall had never been reached. The shaft, 300 feet deep, and all levels are full of water, and pumping machinery is now being placed to drain the mine. The property is under the superintendence of Mark Murphy, an experienced miner of Colorado. This mine has produced over \$1,000,000.

What persistency will accomplish in mining is now being demonstrated by York & Vanderhill in their labors of running the Del Paso tunnel, by which it is proposed to tap or run under the immense ledge of that name. They have succeeded in running in nearly 1,100 feet so far, having less than 150 feet to go before their efforts will have terminated. It is believed that the outcome of this gigantic undertaking will follow the exposing of one of the richest bodies of gold ore in the territory, and back of the promoters of the project there follows a sincere hope that the project cannot be too big to reward them for their grit and zeal. This project is particularly noteworthy in mining, first from the fact of the undertaking in the vast sum of money, and second, it demonstrates that the characteristics of men of moderate means, who risk their money and their labor, have back of it only the invisible wealth of a mountain lode to urge them on in solving a great problem.

The Peck, another silver mine of fabulous wealth, is being worked by Ben Griffin and Cummins, who are drifting. The ore they are taking out assays from 500 to 1,000 ounces per ton. It is owned in New York.

On the Emperor, William Kearney has a lease, the ore running from 200 to 800 ounces. Pat. Donlan owns the property.

The Del Paso group consists of eleven claims, developed by over 2,000 feet of tunnel, and the being worked by Ben Griffin and Cummins, who are drifting. The ore they are taking out assays from 500 to 1,000 ounces per ton. It is owned in New York.

On the Emperor, William Kearney has a lease, the ore running from 200 to 800 ounces. Pat. Donlan owns the property.

The Del Paso group consists of eleven claims, developed by over 2,000 feet of tunnel, and the being worked by Ben Griffin and Cummins, who are drifting. The ore they are taking out assays from 500 to 1,000 ounces per ton. It is owned in New York.

On the Emperor, William